CLAIMS

~~What is claimed:~~

1. A device for viewing Internet content such that:

a host computer receives information about a web page from outside and renders that information in memory;

a software program running on the device implements a device browser window with icons providing web functions which are fixed with respect to a device window;

the color depth of a portion of the web page on the host computer proportional to the size of the device browser window is reduced, digitally compressed and transmitted to the device, where it is decompressed and stored into a display memory on the device for view by a user;

the device enables the user to scroll inside the device browser window whereby a message is sent to the host computer of the exact scroll commands informing the host computer where the user has scrolled to, such that part of the web page that would appear in the device browser window is sent to the device.

2. A device as claimed in Claim 1 whereby each portion of a web page scrolled to and sent to the device is stored collectively as a page on the device, in the same locations as they appear on the web page, with new portions scrolled to added to the page stored on the display memory of the

device, without common overlapping areas scrolled to sent more than once from the host computer.

3. A device as claimed in Claim **1** whereby each web page viewed is stored on the host computer and also on a memory in the device along with information on which portions of web pages were sent to the device, including information on links between web pages viewed, enabling previously viewed web pages to be retrieved from memory of the device without the same portions sent again from the host computer to the device.

4. A device as claimed in Claim **1** such that when the user clicks on a link to a new web page, the current web page is removed from the display memory, compressed and stored on the device in a different memory location with information on links between web pages viewed, for view again by the user at a later time, whereby a portion of the new web page is received by the device, decompressed and stored in the display memory and displayed for view.

5. A device as claimed in Claim **1** whereby the last area scrolled to or viewed by the user is stored in memory on the device for each web page viewed, whereby upon returning to a previously viewed web page, said last area scrolled to and viewed appears first on the device window.

6. A device as claimed in Claim **1**, such that the host computer reduces the color depth of the entire web page before the portion of the web page equal in size to the device browser window is reduced, digitally compressed and transmitted to the device.

7. A device as claimed in Claim **1**, such that the host computer reduces the color depth and digitally compresses the entire web page before the portion of the web page, equal in size to the device browser window, is transmitted to the device.

8. A device for viewing Internet content such that:

a host computer receives information about a web page from outside and renders that information in memory;

a software program running on the device implements a device browser window with icons providing web functions which are fixed with respect to a device window;

the color depth of a portion of the web page on the host computer proportional to the size of the device browser window is reduced, digitally compressed and transmitted to the device, where it is decompressed and stored into a display memory on the device for view by a user;

the device enables the user to scroll inside the device browser window whereby a message is sent to the host computer of the exact scroll commands informing the host computer where the user has scrolled to, such that part of the web page that would appear in the device browser window is sent to the device;

areas of each web page viewed are stored on the host computer and also on a memory in the device along with information on which areas of web pages were sent to the device, whereby scrolling to a new area outside an area of a web page previously viewed, sends a message from the device

to the host computer instructing this new area to be sent to the device which is digitally compressed and transmitted to the device, where it is decompressed and stored into a display memory on the device for view by a user.

9. A device for viewing Internet content such that:

a host computer receives information about a web page from outside and renders that information in memory;

a software program running on the device implements a device browser window with icons providing web functions which are fixed with respect to a device window;

the color depth of a portion of the web page on the host computer proportional to the size of the device browser window is reduced, digitally compressed and transmitted to the device, where it is decompressed and stored into a display memory on the device for view by a user;

the device enables the user to scroll inside the device browser window whereby a message is sent to the host computer of the exact scroll commands informing the host computer where the user has scrolled to, such that part of the web page that would appear in the device browser window is sent to the device;

web pages and corresponding areas frequently viewed by the user are stored on the host computer, whereby entering the address of a frequently viewed web page on the device sends a message containing the web page address to the host computer, which recognizes this web page and

automatically sends corresponding areas frequently viewed to be displayed on the device for view by the user.